Fig. 1
Inhibition effects of anti-HIV agents of the present invention on the syncytium formation of non-infected cells co-cultured with infected cells

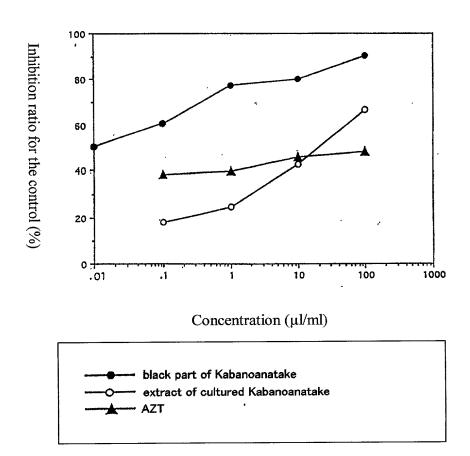
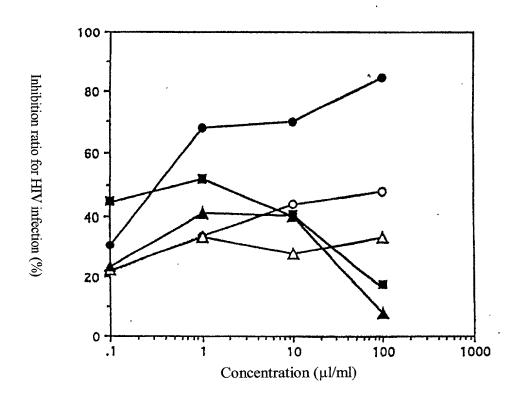


Fig. 2
Inhibition effects of anti-HIV agents of the present invention on HIV production by PHA-stimulated peripheral blood mononuclear cells that was made to be newly infected.



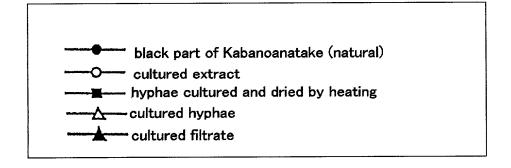
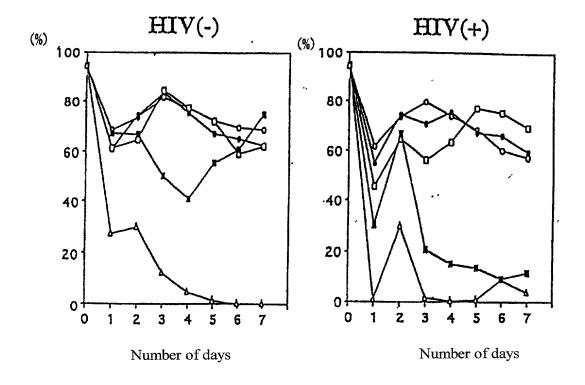


Fig. 3

Number of viable cells



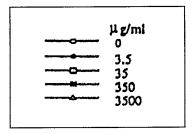
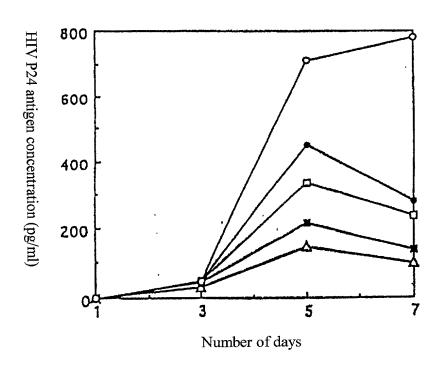


Fig. 4

ELISA test for HIV P24 antigen yield



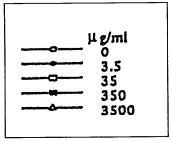
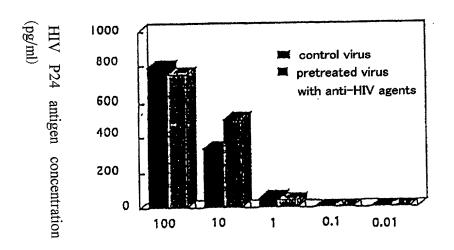
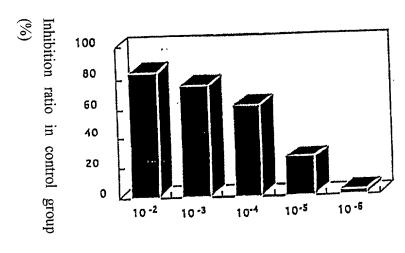


Fig. 5
Anti-HIV effects of pretreated PHA-stimulated peripheral blood mononuclear cells with Kabanoanatake

# A The effects of pretreatment HIV with Kabanoanatake



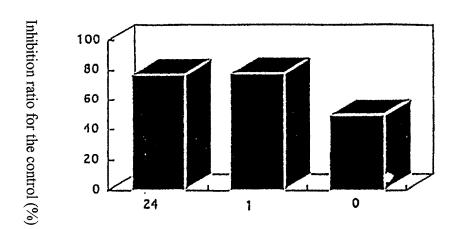
# B The effects of target cell pretreatment with Kabanoanatake



\* The anti-HIV agents were prepared in PBS solution at the concentration of 3.5 mg/ml.

Fig. 6

A The effects of pretreatment of target cells with Kabanoanatake



Pretreatment time of target cells with Kabanoanatake (hours)

B The effects of addition of Kabanoanatake in various incubation time after target cells pretreatment with anti-HIV agents for approximately one hour

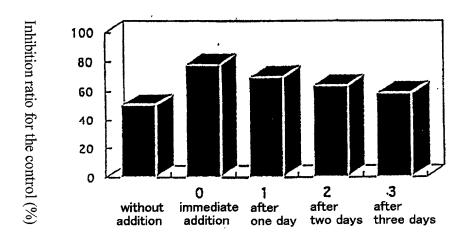
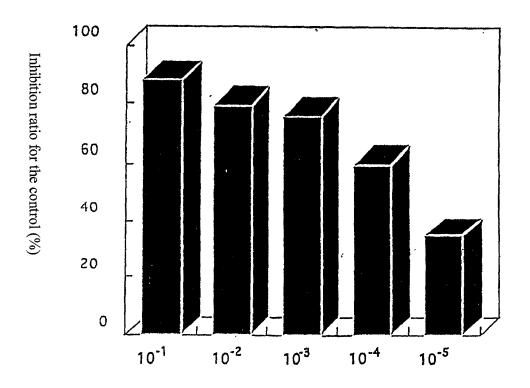
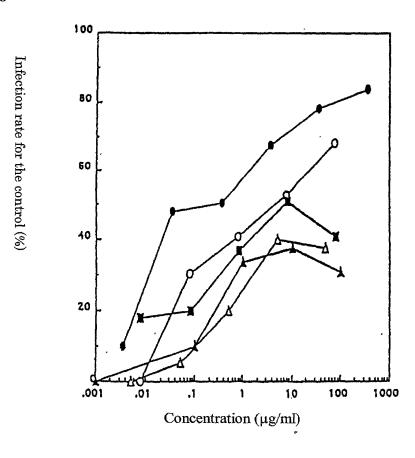


Fig. 7
Inhibition effects of anti-HIV agents of the present invention on the syncytium formation of non-infected cells co-cultured with infected cells



<sup>\*</sup> The anti-HIV agents were prepared at the concentration of 3.56 mg/ml.

Fig.8



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Fig. 9
Inhibition effects of various Kabanoanatake of the present invention on the syncytium formation of non-infected cells co-cultured with infected cells

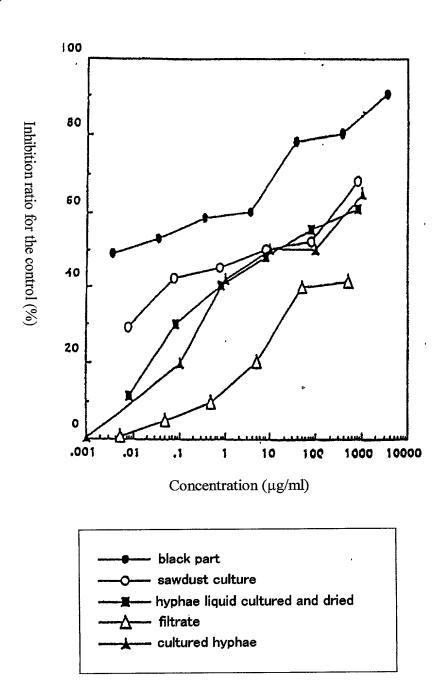


Fig. 10

#### Report of separation of HIV

July, 18th, 1995

Day of receipt of samples: June, 14th, 1995

### (1) Tissue culture infectious dose (TCID)

Total TCID (/ ml)	0
Cell TCID $(/1 \times 10^6)$	0
Plasma TCID (/ ml)	0
Cytopathic effect	0

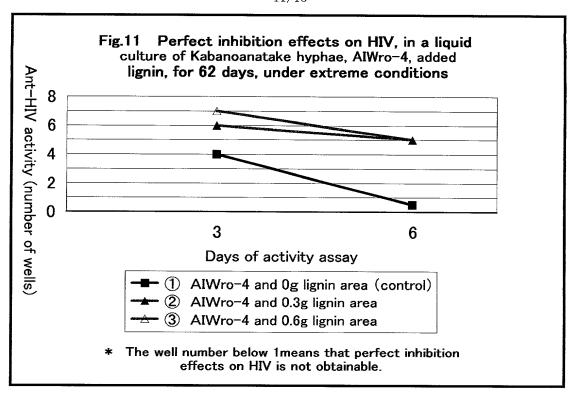
### (2) Anti-HIV antibody in plasma by western blotting methods.

gp160	gp120	p65	p55	p51	gp41-43	p32	p24	p18	p15
(env)	(env)	(pol)	(gag)	(pol)	(env)	(pol)	(gag)	(gag)	(gag)
++	++	++	++	++	++	++	++	++	++

#### (3) Host range index

(Correspondence column) The virus was not isolated.

(Annotation) In also a blood test after three months for the same patient, TCID value was excellent (zero).



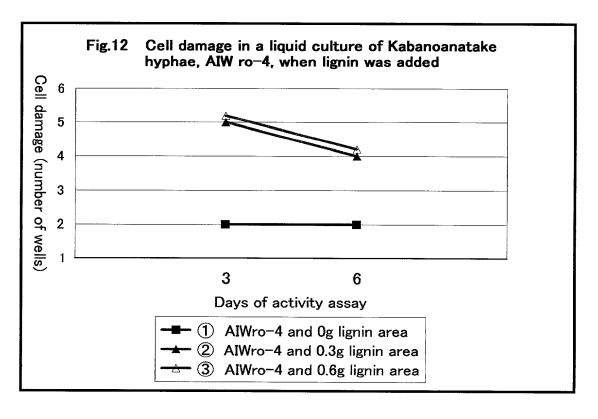
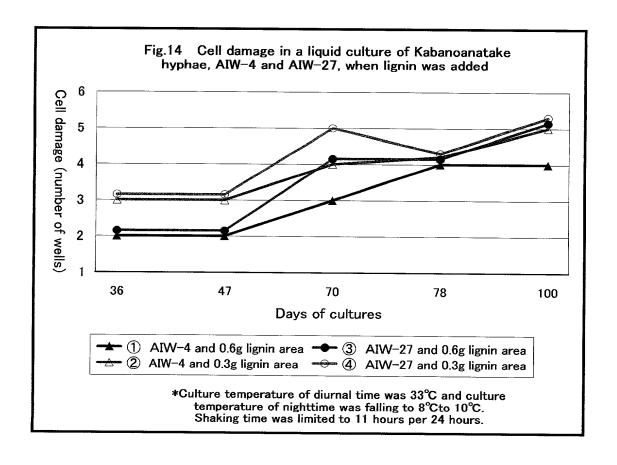
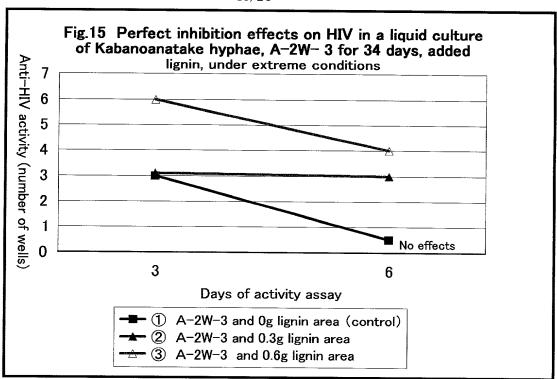
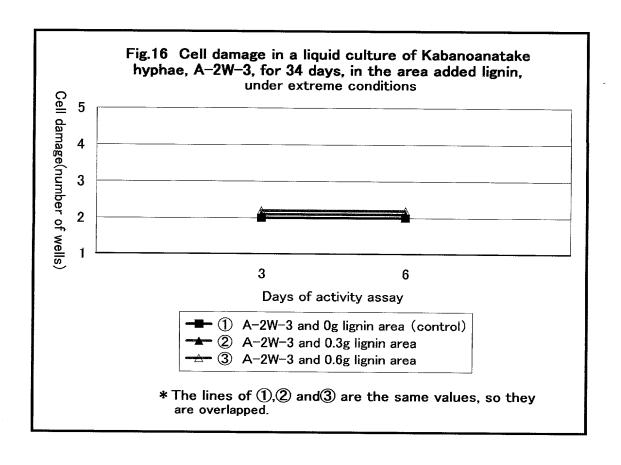


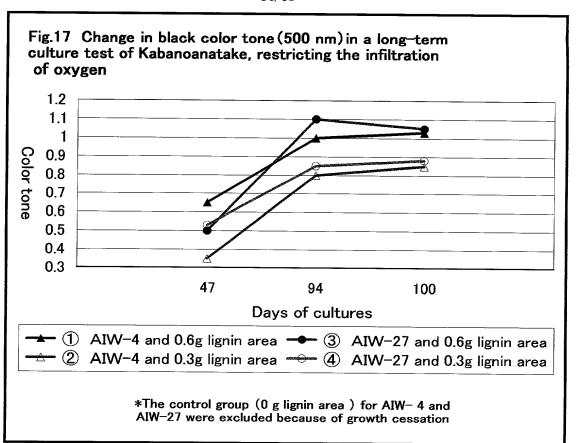
Fig.13 Perfect inhibition effects on HIV in a long-term culture medium of Kabanoanatake hyphae, AIW-27, AIW-4, and lignin, under extreme conditions of restricting the infiltration of oxygen (on the 6th day of the test) number of wells showed perfect inhibition 8 7 6 5 4 3 2 1 36 47 70 78 100 Days of culture ■ ① AIW-4 and 0.6g lignin area —— ③ AIW-27 and 0.6g lignin area 🛨 ② AIW-4 and 0.3g lignin area 👄 ④ AIW-27 and 0.3g lignin area \*Culture temperature of diurnal time was 33°C and culture

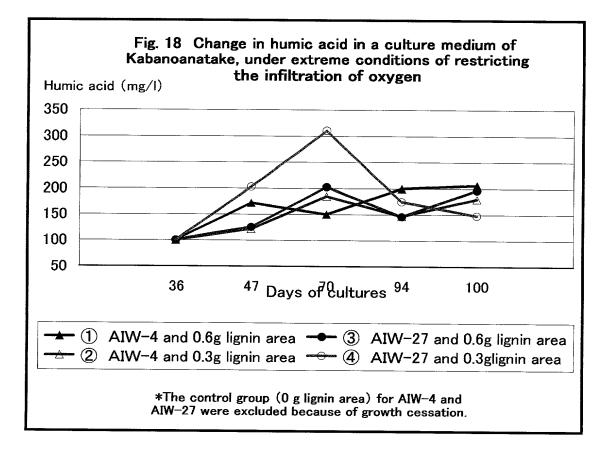
temperature of nighttime was falling to 8°C to 10 °C. Shaking time was limited to 11 hours per 24 hours.

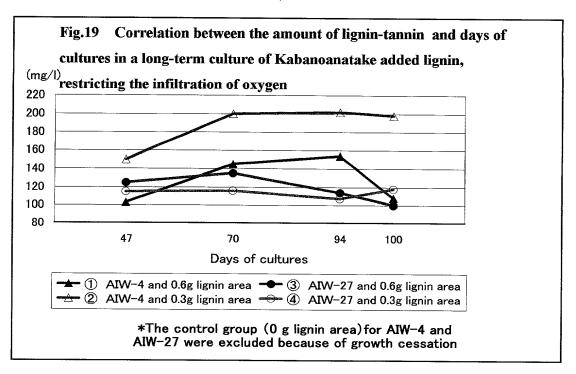


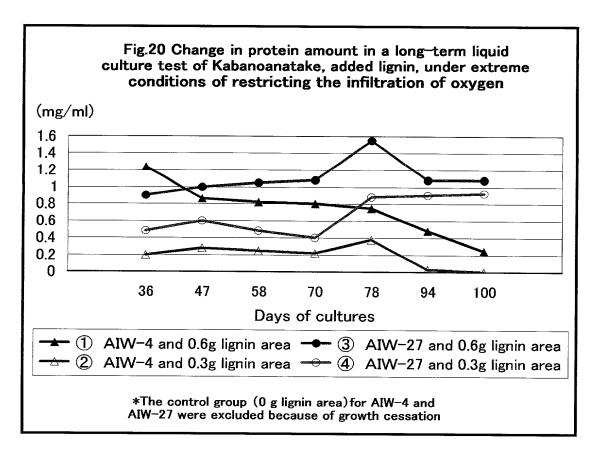












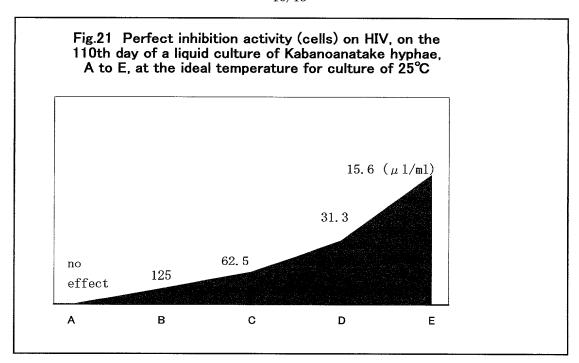


Fig.22 The values of perfect HIV inhibition activity (100%) on the 110th day of a liquid culture of Kabanoanatake hyphae, A to E, at the ideal temperature for culture of 25°C

